

Pharmaceutical Grade Resins

PRODUCT NAME	INDION 204	INDION 214	INDION 224	INDION 234
Applications	Taste masking of bitter drugs such as Norfloxacin, Ofloxacin	Taste masking of bitter drugs such as Azithromycin	Sustained release agent in drug formulations	Taste masking of bitter drugs such as Ciprofloxacin, Chloroquin phosphate
Matrix type	Crosslinked polyacrylic	Crosslinked polyacrylic	Styrene DVB	Crosslinked polyacrylic
Functional Group	-COO ⁻	-COO ⁻	-SO ₃ ⁻	-COO ⁻
Standard Ionic Form	H ⁺	H ⁺	H ⁺	K ⁺
Particle size range, mm	≤ 0.15	≤ 0.15	0.2 – 1.2	≤ 0.15
% Moisture	≤ 5	≤ 5	≤ 3	≤ 10
Total Exchange Capacity meq/g, dry	10.0	10.0	4.8	NA

PRODUCT NAME	INDION 234S	INDION 244	INDION 254	INDION 264
Applications	Taste masking of bitter drugs as well as tablet disintegration	Sustained release agent in drug formulations	Sustained release agent in drug formulations. Product meets specs. Of Sodium Polystyrene sulfonate , USP	Stabilisation of Vitamin B ₁₂
Matrix type	Crosslinked polyacrylic	Styrene/DVB	Styrene/DVB	Crosslinked polyacrylic
Functional Group	-COO ⁻	-SO ₃ ⁻	-SO ₃ ⁻	-COO ⁻
Standard Ionic Form	K ⁺	H ⁺	Na ⁺	H ⁺
Particle size range, mm	≤ 0.075	≤ 0.15	≤ 0.15	≤ 0.15
% Moisture	≤ 10	≤ 10	≤ 0.15	≤ 5
Total Exchange Capacity meq/g, dry	NA	4.5*	NA	10.0*

* meq/dry g

PRODUCT NAME	INDION 284	INDION 294	INDION 404	INDION 414
Applications	Sustained release agent in drug formulations	Tablet disintegrant/ Taste masking. Product meets specs. Of Polacrillin Potassium, USP	Treatment of hyperkalaemia. Product meets specs. Of Calcium polystyrene sulfonate, BP	As superdisintegrant in mouth disperse tablets, iron & calcium pellets
Matrix type	Styrene/DVB	Crosslinked polyacrylic	Styrene/DVB	Crosslinked polyacrylic
Functional Group	-SO ₃ ⁻	-COO ⁻	-SO ₃ ⁻	-COO ⁻
Standard Ionic Form	Na ⁺	K ⁺	Ca ⁺⁺	K ⁺
Particle size range, mm	0.3 – 1.2	≤ 0.15	≤ 0.15	≤ 0.15
% Moisture	≤ 70	≤ 10	≤ 8	≤ 10
Total Exchange Capacity meq/g,	1.0	NA	NA	NA

PRODUCT NAME	INDION 454	INDION 464
Applications	Cholesterol reduction and taste masking of bitter drug	Taste masking of bitter substances Ex. Nicotine
Matrix type	Crosslinked Polystyrene	Crosslinked Polymethacrylic
Functional Group	- N ⁺ R ₃	- COO ⁻
Standard Ionic Form	Chloride	H ⁺
Particle size range, mm	≤0.15	≤ 0.15
% Moisture	≤12	≤ 5
Total Exchange Capacity meq/g,	N.A.	9.5